

<110> University of Delhi South Campus  
Dhara Vegetable Oil and Foods Company Limited  
Bisht, Naveen Chandra |  
Jagannath, Arun |  
Gupta, Vibha |  
Burma, Pradeep Kumar  
Pental, Deepak

<130> HSM-DU-AJ |

<160> 18

<210> 1 |

&lt;211&gt; 273

## <212> DNA

**<213> Bacillus amyloliquefaciens**

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tgtctgaccg gatgggtcga gtacccgctc gttttggaat ggaggcagtt tgaacaaagc 180

aagcagctga ctgaaaatgg cgccgagagt gtgcttcagg ttttcctga agcgaagcgc 240

gaaggctgcg acatcaccat catactttct taa 273

**<210> 2**

&lt;211&gt; 90

&lt;212&gt; PRT

**<213> Bacillus amyloliquefaciens**

**<400> 2**

Met Lys Lys Ala Val Ile Asn Gly Glu Gln Ile Arg Ser Ile Ser Asp  
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Leu His Gln Thr Leu Lys Lys Glu Leu Ala Leu Pro Glu Tyr Tyr Gly  
20 25 30

Glu Asn Leu Asp Ala Leu Trp Asp Cys Leu Thr Gly Trp Val Glu Tyr  
35 40 45

Pro Leu Val Leu Glu Trp Arg Gln Phe Glu Gln Ser Lys Gln Leu Thr  
50 55 60

Glu Asn Gly Ala Glu Ser Val Leu Gln Val Phe Arg Glu Ala Lys Ala |  
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Glu Gly Cys Asp Ile Thr Ile Ile Leu Ser |  
 85 90

<210> 3 |

<211> 273

<212> DNA

<213> Artificial sequence

<220> |

<223> This sequence was artificially generated from a wild type barstar  
 gene |

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tgtcttactg gatgggttga gtaccctctt gttttggaat ggaggcaatt cgagcaatct 180

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gaaggatgtg acatcactat cattctttct taa 273

<210> 4

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<212> PRT

<213> Bacillus amyloliquefaciens

<400> 4

Met Lys Lys Ala Val Ile Asn Gly Glu Gln Ile Arg Ser Ile Ser Asp  
 1 5 10 15

Leu His Gln Thr Leu Lys Lys Glu Leu Ala Leu Pro Glu Tyr Tyr Gly  
 20 25 30

Glu Asn Leu Asp Ala Leu Trp Asp Cys Leu Thr Gly Trp Val Glu Tyr  
 35 40 45

Pro Leu Val Leu Glu Trp Arg Gln Phe Glu Gln Ser Lys Gln Leu Thr  
 50 55 60

Glu Asn Gly Ala Glu Ser Val Leu Gln Val Phe Arg Glu Ala Lys Ala  
 65 70 75 80

Glu Gly Cys Asp Ile Thr Ile Ile Leu Ser |

85

90 |

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<220> |  
 <223> This oligo was synthetically generated |

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<210> 7  
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<210> 10  
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<210> 17

<211> 24

<212> DNA

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<223> This forward primer for the modified barstar gene was synthetically generated

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<210> 18

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<212> DNA

<213> Artificial Sequence

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